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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,971	07/13/2006	Rudiger Kolblin	016906-0530	6190
	7590 10/03/200 LARDNER LLP	EXAMINER		
SUITE 500		DUKE, EMMANUEL E		
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER
			3744	
			MAIL DATE	DELIVERY MODE
			10/03/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/585,971	KOLBLIN ET AL.			
Office Action Summary	Examiner	Art Unit			
	EMMANUEL DUKE	3744			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 7/13/3 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-9 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 7/13/2006 is/are: a) ☐ a Applicant may not request that any objection to the oregin in the application.	relection requirement. r. accepted or b)∐ objected to by t				
Replacement drawing sheet(s) including the correcti 11) The oath or declaration is objected to by the Ex-					
Priority under 35 U.S.C. § 119	animon riote and attached cines	7.68.617.61.161.117.7.6.7.62.			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/13/2006, 3/28/2007, 5/29/2008.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			



Application No.

Application/Control Number: 10/585,971 Page 2

Art Unit: 3744

DETAILED ACTION

Claim Objections

- 1. Claims 1-9 are objected to because of the following informalities: Claim 1, line 7, recites "accordance with the heat exchanger", it should read "accordance with <u>one of the</u> heat exchangers", since there are two adjacent heat exchanger plate disclosed.
- 2. Claim 2 is objected to because of the following informalities: Claim 2, line 2, recites "the flanks", it should read "a flank", since there was no previous definition of the flank. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

<u>Claims 1-9</u> are rejected under 35 U.S.C. 102(b) as being anticipated by Wehrmann et al. (U.S. Patent No. 6,530,425), hereinafter referred to as Wehrmann et al. '425.

Regarding claim 1, Wehrmann et al. '425 discloses a heat exchanger (Fig. 1: label 2, Col 3, line 49), especially a stacked plate oil cooler (Fig. 7 & 8: Col 5, lines 47-51), having a plate-type design (Fig. 1: Col 3, lines 36-37), with two adjacent heat exchanger plates (Fig. 5: label 2 & 2a, Col 3, lines 57-65) defining an interspace (Fig. 1: Col 3, line

Art Unit: 3744

medium to be cooled (Fig. 7 & 8: Col 4, lines 4-9) or to be heated flows (Fig. 1: Col 3, lines 42-45), and at one end a base plate (Fig. 3: label 6, Col 3, lines 63-65, wherein an additional plate is a base plate) being provided which is in at least substantially flat contact with the adjacent outermost heat exchanger plate (Fig. 5: label 2 & 2a) of the heat exchanger, wherein the base plate has a depression (Fig. 5: label 11a, Col 5, lines 13-14, wherein section in-between guide channels label 8a & 8b is a depression) with a contour (Fig. 2: label 8a - 8c, Col 4, lines 25-28, wherein guide channel is a contour) running in accordance with the heat exchanger plate (Fig. 5: label 2 & 2a).

Regarding claim 2, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1, wherein a flank (Fig. 5: label 13, Col 3, lines 54-57, wherein a raised edge is a flank) of the outermost heat exchanger plate (Fig. 1: label 2, Col 3, lines 54-57) bear, at least in their lower region, against a flank (Fig. 4: label 7, Col 3, lines 63-64, wherein a edge is the a flank) of the contour (Fig. 2: label 8a - 8c) of the base plate (Fig. 4: label 6', Col 4, lines 18-19), which contour runs in a recessed manner (Fig. 2: label 8a - 8c, Col 4, lines 25-28, wherein guide channel of the contour is a recessed manner).

Regarding claim 3, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1 wherein one edge (Fig. 5: label 13, Col 3, lines 54-65) of the outermost heat exchanger plate (Fig. 3: label 2) protrudes over the base plate (Fig. 3: label 6).

Regarding claim 4, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1 wherein the depression (Fig. 5: label 11a) in the base plate (Fig. 5: label 6/6') is greater than the material thickness of the heat exchanger plate (Fig. 5: label 2 & 2a) of the heat exchanger (Fig. 1: label 2, Col 3, line 49).

Art Unit: 3744

Regarding claim 5, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1 wherein the depression (Fig. 5: label 11a) in the base plate (Fig. 5: label 6/6') is at least as deep as the material thickness of the heat exchanger plate ($Fig. 5: label 2 \oslash 2a$) of the heat exchanger plus half of the clear height between the outermost heat exchanger plate (Fig. 5: label 2), which bears against the base plate (Fig. 5: label 6/6'), and the second outermost heat exchanger plate (Fig. 5: label 2a).

Regarding claim 6, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1 wherein the depression (Fig. 5: label 11a) in the base plate (Fig. 5: label 6/6') is at least as deep as the material thickness of the heat exchanger plate (Fig. 5: label 2 & 2a) of the heat exchanger plus the clear height between the outermost heat exchanger plate (Fig. 5: label 2), which bears against the base plate (Fig. 5: label 6/6'), and the second outermost heat exchanger plate (Fig. 5: label 2a).

Regarding claim 7, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1 wherein the contour (Fig. 2: label 8a - 8c, Col 4, lines 25-28, wherein guide channel is a contour) in the base plate (Fig. 5: label 6/6') is produced by means of embossing (Fig. 5: label 6/6', Col 4, lines 25-36), casting or machining.

Regarding claim 8, Wehrmann et al. '425 discloses the heat exchanger as claimed in claim 1 wherein the base plate (Fig. 5: label 6/6') has at least one supply opening (Fig. 1, 7 & 8: label 35, Col 4, lines 4-9) for one of the media.

Regarding claim 9, Wehrmann et al. '425 discloses the use of a heat exchanger as claimed in claim 1 as a charge-air/coolant cooler, exhaust gas cooler, evaporator or oil cooler (Fig. 1, 7 & 8: label 1, Col 5, lines 47-51).

Application/Control Number: 10/585,971 Page 5

Art Unit: 3744

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 6,161,615 to Brieden et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EMMANUEL DUKE whose telephone number is (571)270-5290. The examiner can normally be reached on Monday - Friday; 8:00am - 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frantz Jules can be reached on 571-272-6681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/585,971 Page 6

Art Unit: 3744

EMMANUEL DUKE Examiner Art Unit 3744

/E. D./ 9/05/08

/Frantz F. Jules/

Supervisory Patent Examiner, Art Unit 3744